

Surveyors Package

DHEC-OCRM

Sullivans Island

April 26, 1999

Introduction

The 1990 Beachfront Management Act defines the method by which beachfront jurisdiction is established by the South Carolina Department of Health and Environmental Control, Office of Ocean and Coastal Resource Management (OCRM). The Beachfront Management Act requires that all shorelines be classified as inlet zones or standard zones. Inlet zones are further subdivided into stabilized inlet zones or unstabilized inlet zones.

In unstabilized inlet zones, the baseline is located at the most landward position of the shoreline in the past 40 years, unless the best available scientific and historical data of the inlet and adjacent beaches indicate that the shoreline is unlikely to return to its former position. In standard zones and stabilized inlet zones, the baseline is located at the crest of the primary oceanfront sand dune. If there is no primary dune, the baseline is established based on the volume of sand on the active beach profile at each survey monument.

The position of the setback line is determined by the local long-term erosion rate. In erosional areas, the setback line is located landward of the baseline a distance equal to 40 times the annual erosion rate. In stable or accretional areas, the setback line is located 20 feet landward of the baseline.

All original baselines and setback lines became final on July 3rd, 1991. The Beachfront Management Act calls for all lines to be revised between July 1998 and July 2000, and then once every eight to 10 years after each preceding revision. Once a line is adopted as final, it will not change unless OCRM moves it as the result of a successful legal appeal of the line position or following a successful beach renourishment project. The date on which the new lines for this particular area were adopted as final is listed on the front cover.

Section 48-39-330 of the Beachfront Management Act reads as follows:

Thirty days after the initial adoption by the Department of setback lines, a contract of sale or transfer of real property located in whole or in part seaward of the setback line or the jurisdictional line must contain a disclosure statement that the property is or may be affected by the setback line, baseline, and the seaward corners of all habitable structures referenced to the South Carolina State Plane Coordinate System (N.A.D.-1983) and include the local erosion rate most recently made available by the Department for that particular standard zone or inlet zone as applicable. Language reasonably calculated to call attention to the existence of baselines, setback lines, jurisdictional lines, and the seaward corners of all habitable structures and the erosion rate complies with this section. The provisions of this section are regulatory in nature and do not affect the legality of an instrument violating the provisions.

As a result, surveyors have been called upon to transfer the OCRM baseline and setback lines to individual plats and to locate these lines in the field. OCRM has undertaken several steps to facilitate this task, as described below.

Orthophotographs

Orthophotographs, which are aerial photographs with the distortion removed at ground level, have been produced for all developed beaches in the state. These maps are to national map accuracy standards, and are depicted in the South Carolina State Plane Coordinate System (NAD 83). The maps are based on July 1993 photography, are at a scale of 1"=100', and have the beach lines drawn on them. Copies of these maps are available for review in the appropriate OCRM office and municipal or county office. Copies are available for sale at Duncan-Parnell, Inc., 3150 W. Montague Ave., North Charleston, SC, 29419, phone 843-747-6033.

Digitized Lines

OCRM has digitized the location of the baseline and setback line for all islands where such lines have been established. These digital line coordinates are listed as northings and eastings in the South Carolina State Plane Coordinate System (NAD 83), in units of international feet. They are provided in order to avoid having different surveyors obtain slightly different results when digitizing or scaling off the orthophotographs. Appendix 1 gives the line coordinates for this area.

Beach Survey Monuments

In 1987, OCRM installed a network of beach survey monuments along most of South Carolina's shoreline. Over time, additional monuments have been added to the network to replace ones that have been destroyed. In general, the replacement monument is along the same shore-perpendicular line as the original monument but farther landward. Replacement monuments are stamped with the letter "B" (or the letter "C" for a third-generation monument). For example, monument 4220 was replaced with 4220B. These monuments are located horizontally in the South Carolina State Plane Coordinate System (NAD 83), and are vertically referenced to 1929 NGVD. Description sheets for all monuments in this are given in Appendix 2. In some cases, the monument's coordinates are given in meters. To convert to international feet, divide by 0.3048.

Local Erosion Rate

OCRM has conducted studies of the long-term erosion rates at all survey monument locations. These rates were used to establish the location of the setback line, and must also be given on individual plats. In erosional areas the exact rate was determined. In stable or accretional areas no specific number was determined, and the shoreline is officially classified as "stable to accretional" or S/A. Local erosion rates for the area covered by this report are given in Appendix 3.

Plat Review Requirements

In order to receive a permit from OCRM for many activities seaward of the setback line, the applicant must submit a plat in state plane coordinates with specific information shown on it. The following is a list of the required information:

1. Monuments used to reference the survey
2. Line coordinates used to establish the baseline and setback line
3. Coordinates of the property corners
4. Coordinates of the corners of any habitable structures on the property
5. Distance between the seaward structure corners and the baseline and setback line
6. Footprint of all structures on the property
7. Location of the crest and trough of the primary oceanfront sand dune
8. Local erosion rate

Appendix 1

This appendix contains a listing of OCRM baseline and setback line coordinates, given as northings and eastings in international feet referenced to the South Carolina State Plane Coordinate System (NAD 83). Coordinates are listed as one continuous line that begins at one end of the island or beach and extends to the other. There are separate listings for the baseline and the setback line.

DHEC-OCRM BASELINE COORDINATES
SULLIVANS ISLAND
VALID AS OF 4/26/99
STATE-PLANE COORDINATE SYSTEM, NAD 1983
INTERNATIONAL FEET

NORTHING	EASTING
339766.41	2349774.31
339745.09	2349795.04
339705.70	2349831.17
339684.98	2349849.23
339618.94	2349905.79
339574.81	2349944.00
339540.46	2349967.98
339489.23	2350002.63
339459.03	2350023.66
339416.09	2350042.90
339389.44	2350055.05
339362.78	2350081.11
339319.25	2350123.45
339269.80	2350172.31
339246.11	2350195.71
339191.62	2350250.20
339130.32	2350292.84
339087.38	2350325.12
339079.68	2350335.78
339040.00	2350392.04
338999.73	2350449.49
338960.34	2350505.76
338920.07	2350554.32
338877.13	2350606.15
338819.38	2350674.26
338755.71	2350744.74
338720.18	2350787.08
338692.04	2350798.93
338633.41	2350824.40
338623.04	2350824.99
338592.84	2350826.77
338554.34	2350798.63
338533.32	2350747.11
338482.09	2350748.88
338449.51	2350776.13
338413.97	2350805.15
338405.39	2350813.44
338370.44	2350849.57
338359.49	2350859.64
338344.38	2350883.03
338318.32	2350922.42
338306.48	2350940.78
338293.15	2350966.25
338280.42	2350991.12
338263.84	2351023.69
338229.19	2351083.22
338206.39	2351121.71
338198.90	2351135.86
338192.35	2351149.81
338174.86	2351186.07
338166.54	2351203.40
338150.81	2351215.64
338131.58	2351235.13

338109.99	2351257.97
338095.10	2351273.86
338076.69	2351287.12
338057.28	2351307.32
338044.78	2351314.35
338026.32	2351331.00
338013.21	2351340.97
338002.81	2351350.10
337989.72	2351360.78
337976.22	2351370.53
337964.02	2351380.66
337947.62	2351389.17
337933.86	2351403.31
337917.01	2351415.79
337901.07	2351433.36
337884.97	2351441.60
337871.10	2351457.78
337859.67	2351473.07
337843.26	2351484.62
337824.82	2351507.85
337815.36	2351516.44
337797.31	2351535.36
337783.75	2351545.37
337766.89	2351559.29
337753.74	2351572.03
337740.08	2351586.17
337710.57	2351614.31
337701.07	2351626.54
337686.11	2351636.68
337671.17	2351652.09
337661.09	2351662.51
337643.28	2351678.51
337632.61	2351693.49
337617.01	2351711.69
337602.28	2351734.41
337591.04	2351741.99
337573.63	2351756.14
337560.01	2351771.52
337547.94	2351782.19
337531.24	2351801.71
337526.70	2351815.20
337514.87	2351824.09
337499.82	2351840.02
337483.18	2351857.12
337477.49	2351863.66
337470.53	2351876.74
337454.00	2351891.83
337442.38	2351905.36
337430.24	2351924.77
337421.18	2351941.93
337408.39	2351952.81
337394.37	2351967.40
337380.76	2351979.11
337375.42	2351990.46
337364.65	2352005.06
337348.28	2352026.83
337334.88	2352043.08
337322.40	2352060.14
337311.62	2352079.73
337305.00	2352100.30

337298.10	2352113.36
337285.31	2352133.58
337269.24	2352158.98
337248.36	2352193.29
337236.99	2352209.21
337226.16	2352226.07
337202.70	2352274.60
337194.21	2352293.42
337182.71	2352315.88
337166.98	2352331.66
337153.25	2352355.31
337138.69	2352379.95
337125.17	2352400.05
337111.81	2352457.96
337105.83	2352476.80
337090.97	2352516.01
337084.77	2352538.43
337075.42	2352550.98
337060.92	2352559.56
337051.52	2352566.36
337037.23	2352585.87
337028.47	2352606.21
337023.23	2352618.81
337015.92	2352640.61
337011.95	2352658.36
337000.54	2352688.52
336997.01	2352702.41
336992.29	2352716.31
336988.63	2352729.80
336984.90	2352751.79
336974.34	2352774.31
336970.48	2352789.63
336973.80	2352807.06
336967.88	2352820.95
336960.28	2352827.90
336944.86	2352842.23
336932.90	2352878.86
336927.89	2352893.92
336918.63	2352913.40
336914.24	2352932.51
336906.47	2352946.74
336900.60	2352955.18
336895.86	2352967.63
336892.54	2352981.62
336890.12	2352992.08
336889.60	2353005.56
336889.50	2353022.15
336890.62	2353030.64
336894.71	2353055.99
336903.23	2353085.95
336908.61	2353112.04
336910.20	2353124.01
336915.24	2353143.57
336920.28	2353175.10
336925.08	2353197.93
336931.55	2353220.49
336937.97	2353248.88
336942.80	2353265.91
336950.75	2353291.38
336957.71	2353313.39

336954.61	2353327.17
336975.33	2353339.38
336990.23	2353357.63
337002.89	2353382.48
337016.21	2353419.90
337024.85	2353441.37
337026.58	2353454.06
337028.20	2353478.38
337037.54	2353497.80
337055.71	2353508.35
337080.23	2353527.67
337087.42	2353539.28
337084.16	2353568.91
337082.41	2353593.37
337074.72	2353616.02
337078.60	2353653.45
337086.38	2353688.28
337079.53	2353718.98
337077.72	2353740.63
337074.97	2353754.78
337078.64	2353782.82
337091.89	2353804.24
337090.92	2353819.38
337092.38	2353839.12
337092.54	2353847.41
337094.24	2353857.61
337096.50	2353879.15
337098.77	2353901.25
337107.84	2353912.58
337116.34	2353917.69
337114.64	2353942.62
337130.51	2353972.66
337127.67	2353989.66
337129.37	2354016.87
337139.01	2354033.30
337149.78	2354058.81
337145.24	2354077.51
337148.64	2354106.42
337157.71	2354135.89
337168.48	2354171.59
337171.88	2354222.03
337182.08	2354253.77
337185.48	2354278.14
337203.62	2354313.28
337212.69	2354360.32
337224.59	2354401.13
337242.16	2354440.80
337271.63	2354480.48
337274.46	2354513.91
337289.77	2354559.25
337314.14	2354615.36
337337.94	2354665.80
337353.81	2354692.44
337363.44	2354722.48
337382.15	2354754.79
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337412.75	2354801.83
337422.95	2354829.60
337428.62	2354853.97
337445.06	2354878.34

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337477.93	2354903.28
337492.10	2354923.68
337499.47	2354950.32
337518.17	2354978.09
337538.57	2355014.93
337549.34	2355031.93
337568.04	2355042.70
337589.01	2355061.40
337604.88	2355089.17
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337629.25	2355129.41
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337652.49	2355167.95
337661.56	2355184.39
337676.29	2355204.79
337695.56	2355239.36
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337732.40	2355309.07
337753.39	2355340.27
337762.91	2355368.35
337766.63	2355383.32
337770.93	2355400.19
337783.78	2355415.56
337794.52	2355431.54
337803.28	2355444.34
337813.92	2355463.39
337821.03	2355474.97
337826.76	2355481.99
337833.52	2355496.75
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337846.41	2355519.92
337856.30	2355531.22
337868.55	2355548.16
337869.35	2355562.33
337879.13	2355572.47
337881.17	2355590.41
337889.49	2355610.03
337897.05	2355624.48
337905.27	2355633.76
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337927.52	2355656.36
337931.76	2355665.99
337926.72	2355673.42
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337937.19	2355703.81
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337963.98	2355762.06
337968.93	2355775.45
337982.60	2355798.54
337989.42	2355811.81
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338035.28	2355899.23
338041.81	2355911.78
338056.85	2355933.38
338082.08	2355956.38

338082.92	2355965.42
338079.12	2355977.42
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338084.88	2356016.62
338092.57	2356033.47
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338110.11	2356073.49
338114.85	2356084.63
338122.95	2356103.90
338128.07	2356118.36
338131.82	2356130.11
338139.51	2356149.37
338144.65	2356170.98
338139.08	2356194.62
338153.57	2356243.64
338171.39	2356307.71
338203.70	2356375.12
338237.69	2356436.40
338268.89	2356487.09
338272.78	2356493.78
338297.85	2356541.69
338312.90	2356571.77
338323.48	2356588.49
338352.45	2356582.91
338361.36	2356592.94
338369.16	2356601.86
338399.80	2356650.32
338423.20	2356685.98
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338469.44	2356755.62
338514.01	2356823.03
338543.54	2356866.48
338574.73	2356909.93
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338661.08	2357014.67
338678.35	2357038.62
338705.10	2357078.18
338714.57	2357092.66
338770.28	2357186.81
338797.57	2357233.05
338812.62	2357259.24
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338837.69	2357312.16
338857.74	2357325.53
338871.11	2357334.44
338887.82	2357366.20
338901.75	2357391.27
338914.01	2357433.61
338929.05	2357486.53
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338963.59	2357555.61
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339273.90	2357956.73
339321.25	2358033.61

339387.54	2358141.68
339438.80	2358219.68
339464.42	2358257.00
339503.42	2358314.38
339544.09	2358373.99
339569.16	2358410.21
339607.60	2358458.67
339650.50	2358513.27
339675.56	2358545.58
339703.42	2358590.15
339731.27	2358637.50
339786.43	2358730.54
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339895.62	2358922.18
339926.82	2358977.89
339974.19	2359065.96
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340058.85	2359224.13
340107.88	2359295.44
340134.62	2359333.88
340160.24	2359371.20
340194.78	2359421.90
340210.94	2359444.18
340241.58	2359498.78
340280.58	2359568.98
340301.35	2359604.77
340324.01	2359750.81
340348.46	2359856.92
340372.91	2359963.55
340391.11	2360040.02
340413.93	2360137.38
340432.20	2360215.31
340459.77	2360337.03
340482.30	2360434.46
340496.70	2360496.71
340532.59	2360628.83
340555.48	2360711.02
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340662.57	2360965.11
340701.00	2361057.43
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340740.76	2361151.04
340770.83	2361221.81
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340875.41	2361450.06
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340960.34	2361631.13
341002.81	2361721.66
341045.28	2361812.20
341087.75	2361902.73
341130.22	2361993.26
341172.69	2362083.80
341215.15	2362174.33
341257.62	2362264.87
341300.09	2362355.40
341342.56	2362445.93
341385.03	2362536.47
341427.50	2362627.00

341469.96	2362717.54
341512.43	2362808.07
341524.75	2362834.33
341546.87	2362859.77
341557.45	2362872.58
341579.74	2362912.14
341608.15	2362960.61
341620.96	2362983.45
341641.57	2363009.63
341667.20	2363042.50
341673.33	2363050.30
341649.93	2363082.61
341677.79	2363126.62
341712.88	2363182.89
341745.19	2363163.95
341777.51	2363145.01
341790.88	2363161.72
341821.52	2363200.16
341840.46	2363225.23
341811.49	2363251.41
341766.36	2363292.08
341760.79	2363296.54
341820.96	2363370.07
341844.36	2363346.12
341853.83	2363337.76
341883.36	2363333.86
341913.67	2363339.19
341941.32	2363376.30
341980.62	2363427.24
342010.46	2363419.23
342022.10	2363429.42
342030.10	2363452.71
342037.38	2363475.27
342063.58	2363500.01
342081.77	2363499.28
342098.51	2363504.38
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342158.91	2363561.87
342180.01	2363582.24
342201.84	2363599.71
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342277.52	2363686.30
342289.90	2363698.67
342316.82	2363720.51
342342.29	2363724.87
342366.30	2363743.79
342393.23	2363751.80
342425.98	2363751.80
342508.21	2363828.93
342523.49	2363845.67
342545.19	2363871.47
342561.35	2363901.55
342574.43	2363918.44
342583.89	2363941.73
342586.07	2363956.28
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342633.77	2363969.51

342648.81	2363978.99
342662.74	2363987.34
342687.25	2363997.37
342697.28	2364002.38
342721.79	2364023.00
342742.96	2364043.05
342758.56	2364052.52
342788.09	2364068.68
342819.28	2364083.72
342850.48	2364107.12
342849.93	2364126.62
342849.37	2364155.03
342850.23	2364184.06
342882.25	2364209.53
342917.18	2364236.45
342937.39	2364199.60
342957.20	2364171.68
342966.66	2364166.59
342981.40	2364165.06
342995.33	2364177.87
343000.90	2364182.88
343024.30	2364194.58
343049.74	2364205.36
343102.86	2364227.88
343127.40	2364239.53
343140.79	2364247.10
343173.70	2364257.88
343192.98	2364256.83
343207.54	2364230.63
343240.28	2364244.46
343279.58	2364258.28
343293.40	2364261.92
343312.32	2364247.37
343334.44	2364259.62
343361.81	2364264.10
343412.75	2364293.21
343454.23	2364313.59
343481.88	2364338.33
343491.34	2364351.43
343490.53	2364369.99
343518.99	2364375.44
343548.83	2364421.29
343588.13	2364459.86
343612.87	2364478.78
343636.88	2364467.86
343668.90	2364470.04
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343722.75	2364448.21
343731.48	2364430.75
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343740.94	2364383.45
343743.59	2364343.20
343742.13	2364326.02
343740.39	2364307.67
343771.25	2364303.01
343809.11	2364291.95
343824.55	2364287.29
343847.26	2364286.12
343881.91	2364285.54
343918.51	2364288.12

343953.44 2364293.21
343989.82 2364299.03
344016.02 2364307.04
344047.31 2364309.22
344088.06 2364318.68
344123.72 2364325.23
344171.75 2364333.24
344224.87 2364349.97
344271.44 2364366.71
344313.65 2364379.08
344332.12 2364388.05
344356.59 2364385.63
344403.89 2364395.09
344463.56 2364408.92
344494.12 2364420.56
344529.78 2364431.48
344570.04 2364449.78
344625.11 2364462.04
344670.96 2364479.50
344720.44 2364491.15
344743.73 2364504.97
344770.65 2364520.98
344775.75 2364533.36
344785.53 2364547.34
344804.17 2364571.51
344843.48 2364621.01
344857.75 2364639.07
344870.85 2364661.20
344899.39 2364690.90
344927.93 2364720.60
344945.69 2364738.95
344952.97 2364735.16
344960.55 2364729.92
344968.70 2364724.68
344973.94 2364718.57
344980.35 2364708.37
345004.52 2364690.61
END

DHEC-OCRM SETBACK LINE COORDINATES
SULLIVANS ISLAND
VALID AS OF 4/26/99
STATE-PLANE COORDINATE SYSTEM, NAD 1983
INTERNATIONAL FEET

NORTHING	EASTING
339780.19	2349788.70
339755.79	2349811.63
339734.13	2349832.55
339721.66	2349843.75
339688.26	2349872.37
339655.41	2349901.00
339616.33	2349934.58
339585.87	2349961.00
339573.75	2349969.26
339535.95	2349995.14
339495.77	2350022.48
339468.61	2350041.19
339439.61	2350054.41
339400.71	2350072.02
339386.95	2350085.23
339347.68	2350123.59
339312.08	2350158.82
339276.48	2350193.87
339231.71	2350238.46
339204.55	2350265.25
339187.30	2350277.55
339148.58	2350304.70
339128.76	2350319.02
339101.97	2350339.02
339099.40	2350342.51
339076.10	2350375.54
339063.98	2350392.78
339044.53	2350420.31
339025.27	2350448.02
339006.18	2350475.36
338993.52	2350493.71
338986.55	2350503.62
338976.82	2350517.38
338970.58	2350524.91
338954.62	2350544.17
338924.52	2350580.51
338891.31	2350619.78
338849.47	2350670.24
338821.58	2350701.80
338763.41	2350766.58
338731.84	2350803.65
338686.34	2350823.10
338637.89	2350844.02
338601.56	2350846.40
338587.43	2350847.69
338576.60	2350839.80
338538.07	2350811.90
338526.23	2350783.28
338519.81	2350767.22
338506.27	2350767.91
338489.53	2350768.83
338485.86	2350772.04
338449.62	2350801.63

338421.63	2350825.71
338374.84	2350872.74
338344.33	2350919.30
338324.15	2350949.81
338317.04	2350963.80
338300.29	2350996.37
338281.48	2351033.07
338266.57	2351058.30
338245.93	2351094.09
338232.40	2351116.79
338218.63	2351141.11
338212.90	2351153.26
338202.36	2351175.15
338182.46	2351216.42
338164.09	2351230.66
338145.97	2351249.03
338124.55	2351271.67
338109.24	2351288.01
338106.79	2351290.09
338089.85	2351302.29
338071.42	2351321.46
338067.08	2351324.75
338056.52	2351330.69
338038.43	2351346.91
338025.87	2351356.46
338015.45	2351365.59
338001.43	2351376.99
337988.48	2351386.35
337973.24	2351398.41
337959.70	2351405.44
337948.00	2351417.45
337945.76	2351419.38
337930.50	2351430.69
337915.21	2351447.50
337910.18	2351451.16
337897.59	2351457.61
337886.72	2351470.29
337875.69	2351485.05
337873.82	2351487.21
337871.18	2351489.43
337857.13	2351499.32
337838.26	2351522.66
337829.33	2351530.77
337811.45	2351549.50
337809.19	2351551.45
337796.06	2351561.14
337780.23	2351574.21
337767.90	2351586.16
337753.88	2351600.65
337725.45	2351627.76
337715.21	2351640.68
337712.29	2351643.09
337699.04	2351652.08
337685.54	2351666.01
337674.46	2351677.38
337658.29	2351691.91
337647.80	2351706.51
337633.07	2351723.69
337619.05	2351745.29
337616.42	2351748.55

337613.46	2351750.99
337602.96	2351758.07
337587.51	2351770.62
337573.26	2351786.50
337562.23	2351796.25
337548.96	2351811.76
337545.18	2351822.86
337540.84	2351829.34
337538.71	2351831.20
337528.24	2351839.06
337514.16	2351853.97
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337468.38	2351905.78
337458.54	2351917.24
337447.59	2351934.76
337438.86	2351951.27
337434.14	2351957.17
337422.12	2351967.39
337407.42	2351982.55
337397.04	2351991.49
337392.98	2351999.74
337391.51	2352002.34
337380.63	2352017.07
337363.71	2352039.56
337350.68	2352055.36
337339.30	2352070.91
337330.07	2352087.68
337322.68	2352109.65
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337302.22	2352144.27
337286.24	2352169.53
337264.63	2352204.91
337253.55	2352220.43
337243.65	2352235.86
337220.82	2352283.06
337212.01	2352302.54
337200.51	2352325.00
337196.87	2352330.01
337182.97	2352343.95
337170.47	2352365.48
337155.29	2352391.12
337143.82	2352408.15
337130.87	2352464.01
337124.53	2352483.88
337110.01	2352522.23
337104.05	2352543.76
337103.25	2352546.08
337100.81	2352550.38
337091.45	2352562.94
337089.56	2352565.13
337085.60	2352568.20
337071.90	2352576.30
337065.80	2352580.72
337054.71	2352595.86
337046.89	2352614.01
337041.96	2352625.85
337035.21	2352645.99

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337291.56 2354478.79
337294.19 2354509.81
337308.45 2354552.06
337332.36 2354607.11

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337372.85	2354686.33
337381.83	2354714.32
337398.56	2354743.23
337416.12	2354763.97
337418.90	2354768.27
337431.53	2354794.93
337442.43	2354825.07
337447.27	2354845.84
337461.38	2354866.78
337471.78	2354880.77
337483.34	2354884.02
337485.58	2354884.80
337492.07	2354889.13
337494.36	2354891.87
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337510.58	2354916.03
337511.37	2354918.35
337517.87	2354941.85
337535.67	2354968.40
337555.78	2355004.72
337563.60	2355017.06
337578.02	2355025.37
337581.36	2355027.77
337603.16	2355047.26
337606.38	2355051.48
337622.39	2355079.50
337633.89	2355100.31
337646.17	2355118.75
337663.25	2355145.91
337670.03	2355158.33
337678.48	2355173.66
337693.76	2355195.05
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337729.16	2355264.05
337749.34	2355298.42
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337772.33	2355333.85
337782.32	2355363.53
337786.02	2355378.44
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337811.07	2355420.31
337820.74	2355434.59
337831.18	2355453.27
337837.38	2355463.37
337842.26	2355469.36
337844.94	2355473.66
337851.29	2355487.52
337859.03	2355500.85
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337872.50	2355519.50
337884.76	2355536.44
337887.03	2355540.51
337888.52	2355547.04
337888.90	2355553.79
337893.53	2355558.58
337897.61	2355564.81
337899.00	2355570.21

337900.71	2355585.27
337907.58	2355601.48
337913.63	2355613.05
337920.36	2355620.63
337929.57	2355631.21
337941.66	2355642.22
337945.83	2355648.31
337950.23	2355658.34
337951.76	2355665.99
337950.23	2355673.65
337947.19	2355678.86
337947.54	2355683.43
337953.57	2355692.33
337963.86	2355706.53
337966.14	2355710.61
337967.62	2355717.07
337968.37	2355729.49
337969.93	2355734.99
337980.60	2355750.94
337982.74	2355755.12
337987.06	2355766.81
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338036.73	2355857.73
338037.45	2355859.79
338042.23	2355876.18
338053.03	2355890.00
338058.96	2355901.41
338071.98	2355920.11
338096.22	2355942.23
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338102.00	2355954.53
338102.92	2355965.42
338101.98	2355971.46
338099.28	2355979.98
338100.27	2355998.26
338103.65	2356009.57
338110.60	2356024.81
338121.43	2356046.57
338125.36	2356057.11
338128.69	2356066.08
338133.29	2356076.88
338141.81	2356097.23
338147.12	2356112.28
338150.65	2356123.36
338158.11	2356142.10
338158.97	2356144.74
338164.11	2356166.35
338164.65	2356170.98
338163.13	2356178.63
338157.56	2356186.96
338172.83	2356238.28
338190.19	2356300.65
338221.48	2356365.94
338254.96	2356426.30
338286.16	2356477.02
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338330.33	2356561.93

338333.09	2356566.27
338348.67	2356563.27
338352.45	2356562.91
338360.10	2356564.44
338367.40	2356569.63
338376.42	2356579.77
338386.07	2356591.17
338416.62	2356639.49
338439.59	2356674.50
338464.93	2356708.67
338486.40	2356745.01
338530.62	2356811.89
338559.93	2356855.02
338590.73	2356897.92
338624.75	2356941.27
338677.31	2357002.97
338694.92	2357027.42
338721.83	2357067.23
338731.78	2357082.48
338787.50	2357176.64
338814.92	2357223.09
338830.67	2357250.63
338848.01	2357286.99
338853.44	2357298.63
338868.83	2357308.89
338882.21	2357317.80
338885.25	2357320.30
338888.81	2357325.13
338905.42	2357356.68
338920.23	2357383.61
338920.96	2357385.71
338933.25	2357428.14
338947.75	2357479.17
338971.64	2357525.88
338981.93	2357547.64
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339233.55	2357877.07
339272.55	2357923.87
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340176.77	2359359.94
340211.15	2359410.40
340228.38	2359434.40
340259.06	2359489.07
340297.97	2359559.10
340316.61	2359591.16
340319.91	2359597.42
340321.11	2359601.71
340343.66	2359747.02
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340410.57	2360035.38
340433.39	2360132.74
340451.68	2360210.74
340479.27	2360332.56
340501.80	2360429.99
340516.10	2360491.84
340551.88	2360623.53
340574.40	2360704.40
340613.47	2360796.45
340642.55	2360864.97
340680.97	2360957.29
340719.40	2361049.62
340720.08	2361051.25
340759.19	2361143.29
340789.23	2361213.99
340808.77	2361260.90
340851.27	2361351.42
340893.77	2361441.94
340936.27	2361532.46
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341318.75	2362347.14
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341403.75	2362528.18
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341488.75	2362709.22
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342343.52 2363639.16
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342372.91 2363650.96
342391.80 2363662.03
342403.78 2363671.47
342425.98 2363671.80

342456.59	2363677.89
342480.71	2363693.45
342562.94	2363770.59
342564.76	2363773.22
342567.29	2363774.99
342582.57	2363791.73
342584.71	2363794.17
342606.41	2363819.96
342610.37	2363826.48
342615.67	2363833.62
342628.68	2363857.83
342637.68	2363869.46
342648.34	2363887.83
342650.37	2363892.82
342664.38	2363895.60
342676.40	2363901.82
342690.71	2363910.83
342698.67	2363915.61
342717.54	2363923.33
342720.33	2363925.18
342723.03	2363925.82
342733.06	2363930.83
342739.95	2363935.80
342748.77	2363941.15
342773.28	2363961.77
342776.49	2363964.71
342791.78	2363979.10
342798.54	2363983.21
342824.68	2363997.51
342854.03	2364011.66
342857.64	2364014.22
342867.28	2364019.72
342898.48	2364043.12
342907.05	2364050.55
342924.39	2364076.50
342928.34	2364096.36
342936.05	2364092.68
342958.39	2364087.02
342973.12	2364085.49
342981.40	2364085.06
343012.02	2364091.15
343035.57	2364106.18
343046.50	2364116.24
343057.81	2364121.90
343080.93	2364131.68
343134.09	2364154.23
343161.38	2364167.10
343176.92	2364156.72
343207.54	2364150.63
343238.15	2364156.72
343269.14	2364169.80
343280.88	2364173.93
343312.32	2364167.37
343342.94	2364173.46
343351.10	2364177.39
343361.07	2364182.92
343374.74	2364185.15
343392.42	2364190.19
343401.50	2364194.64
343450.27	2364222.51

343489.50	2364241.78
343498.99	2364248.57
343507.57	2364253.97
343535.22	2364278.71
343538.45	2364281.76
343546.74	2364291.49
343556.20	2364304.59
343557.39	2364306.73
343575.56	2364318.87
343586.05	2364331.81
343611.11	2364370.32
343630.41	2364389.26
343636.88	2364387.86
343639.85	2364388.45
343642.32	2364388.05
343656.61	2364389.02
343657.99	2364380.84
343661.74	2364368.77
343663.37	2364343.96
343662.46	2364333.19
343660.75	2364315.26
343660.39	2364307.67
343666.48	2364277.06
343683.82	2364251.10
343709.77	2364233.76
343728.45	2364228.57
343753.98	2364224.71
343786.33	2364215.26
343801.43	2364210.70
343814.04	2364208.84
343820.45	2364207.39
343843.16	2364206.23
343880.57	2364205.55
343884.31	2364206.26
343887.53	2364205.74
343924.13	2364208.32
343930.05	2364208.96
343964.98	2364214.05
344002.46	2364220.04
344009.08	2364221.91
344013.20	2364222.53
344030.68	2364227.87
344052.88	2364229.42
344056.55	2364230.28
344065.40	2364231.29
344104.34	2364240.33
344137.52	2364246.43
344184.90	2364254.32
344191.95	2364256.34
344195.79	2364256.93
344248.91	2364273.67
344251.50	2364274.61
344296.24	2364290.61
344336.15	2364302.31
344344.27	2364305.17
344348.73	2364306.02
344356.59	2364305.63
344372.27	2364307.18
344419.58	2364316.64
344481.62	2364330.98

344490.83	2364333.94
344520.10	2364344.85
344553.20	2364354.98
344560.39	2364357.57
344595.56	2364373.50
344642.49	2364383.95
344652.26	2364387.04
344694.46	2364402.85
344738.76	2364413.27
344751.05	2364417.24
344761.28	2364422.36
344784.57	2364436.19
344811.54	2364452.22
344827.22	2364464.42
344844.56	2364490.37
344846.35	2364494.72
344850.01	2364499.95
344867.17	2364522.20
344906.13	2364571.26
344920.51	2364589.46
344922.97	2364593.64
344926.59	2364598.31
344934.97	2364612.46
344951.82	2364630.00
344968.97	2364624.09

END

Appendix 2

This appendix contains descriptions of all OCRM beach survey monuments in the area.

DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

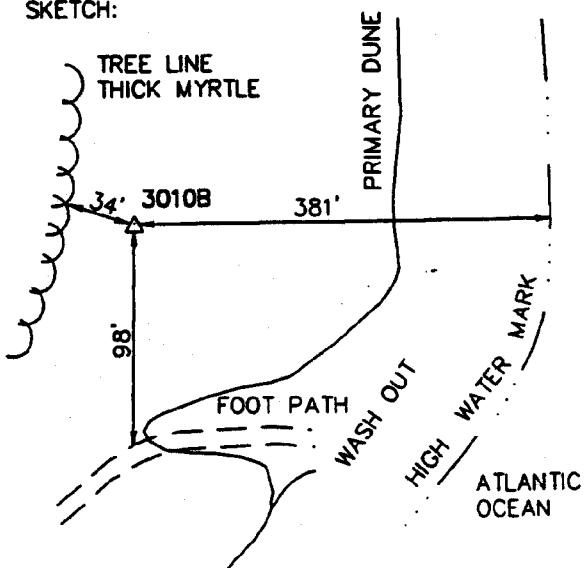
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3010 B
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°38'10" SCALE FACTOR: 0.99991992
NORTHING: 337,326.01 FEET LAT: 32°45'18".17621
EASTING: 2,352,771.26 FEET LONG: 79°51'08".90029
ELEVATION (NGVD 29) 9.09 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3020	N 86° 53' 12" E	N 86° 15' 02" E	1737.86 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATION 18TH STREET AND ATLANTIC AVENUE, TURN RIGHT ON ATLANTIC AVENUE FOR 0.20 MILE TO THE ENTRANCE OF THE SANDS DUNES BEACH CLUB ON THE LEFT, TURN LEFT AND GO SOUTH FOR 0.05 MILE TO THE END OF THE DRIVE AND A TRACK ROAD LEADING TO THE BEACH 0.10 MILE. TURN RIGHT ALONG THE BEACH FOR 0.40 MILE TO A WASH-OUT AND THE STATION ON THE RIGHT. A STANDARD BERNTSEN ALUMINUM ROD WITH A SCCC ALUMINUM DISK ATTACHED TO THE ROD AND ENCASED IN A 4" PVC PIPE WITH A THREADED CAP THAT PROJECTS 6" ABOVE THE GROUND.

SKETCH:



DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

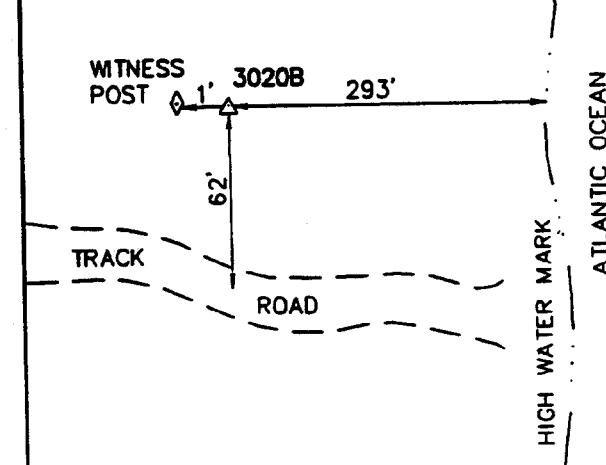
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3020 B.
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°38'21" SCALE FACTOR: 0.99991985
NORTHING: 337,439.65 FEET LAT: 32°45'19".10966
EASTING: 2,354,505.40 FEET LONG: 79°50'48".57962
ELEVATION (NGVD 29) 9.28 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3010 B	S 86° 53' 23" W	S 86° 15' 02" W	1737.86 FEET
3035 B	N 60° 03' 18" E	N 59° 24' 57" E	1861.33 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATION OF 18TH STREET AND ATLANTIC AVENUE, TURN RIGHT ON ATLANTIC AVENUE FOR 0.20 MILE TO THE ENTRANCE OF THE SAND DUNES BEACH CLUB ON THE LEFT, TURN LEFT AND GO SOUTH FOR 0.05 MILE TO THE END OF THE DRIVE AND A TRACK ROAD LEADING TO THE BEACH, CONTINUE ALONG THE TRACK ROAD FOR 0.05 MILE TO THE STATION ON THE LEFT. A STANDARD BERNTSEN ALUMINUM ROD WITH A SCCC ALUMINUM DISK ATTACHED TO THE ROD AND ENCASED IN A 4" PVC PIPE WITH A THREADED CAP THAT PROJECTS 6" ABOVE THE GROUND.

SKETCH:



DATE: APRIL, 1995

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVAN'S ISLAND

PROJECT: SCCC SURVEY MONUMENTATION

STATION NO.: SCCC 3020 B 1995

STATE: SOUTH CAROLINA COUNTY: CHARLESTON

NAD 83 - SINGLE ZONE SPC - CONVERGENCE: 00°38'21"

SCALE FACTOR: 0.99991985

NORTHING: 337.439.65 FEET

LONG: 32°45'19.10966"

EASTING: 2,354,505.40 FEET

LAT: 79°50'48.57962"

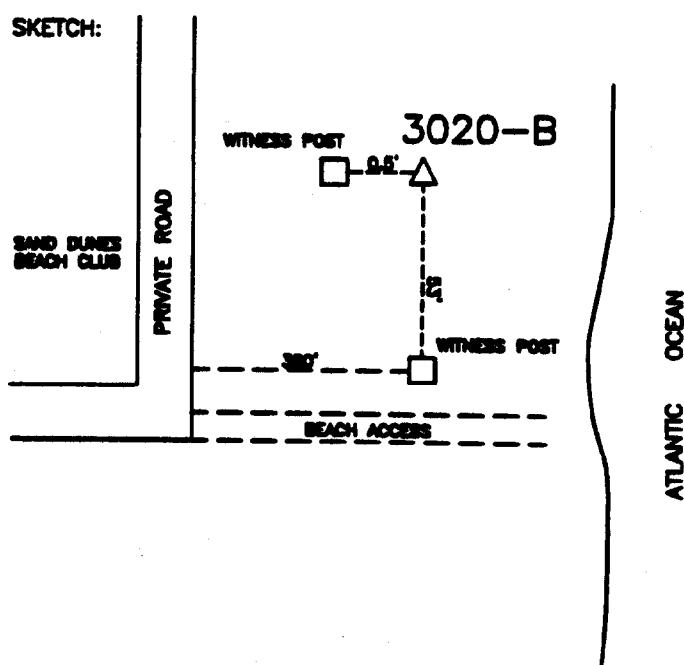
ELEVATION (NGVD 29): 9.28 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3010 B	286°53'23"	S 86°15'02"W	1737.86 FEET
3035 B	080°03'19"	N 59°24'57"E	1861.33 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATION OF 18th STREET AND ATLANTIC AVENUE, TURN RIGHT ON ATLANTIC AVE. FOR 0.20 MI. TO THE ENTRANCE OF THE SAND DUNES BEACH CLUB ON THE LEFT, TURN LEFT AND GO SOUTH FOR 0.05 MI. TO THE END OF THE DRIVE AND A TRACK ROAD LEADING TO THE BEACH, CONTINUE ALONG THE TRACK ROAD FOR 380' TO THE STATION ON THE LEFT.

A STANDARD BERNSTEN ALUMINUM ROD WITH A SCCC ALUMINUM DISK ATTACHED TO THE ROD AND ENCASED IN A 4" PVC PIPE WITH A THREADED CAP THAT PROJECTS 6" ABOVE THE GROUND.



DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

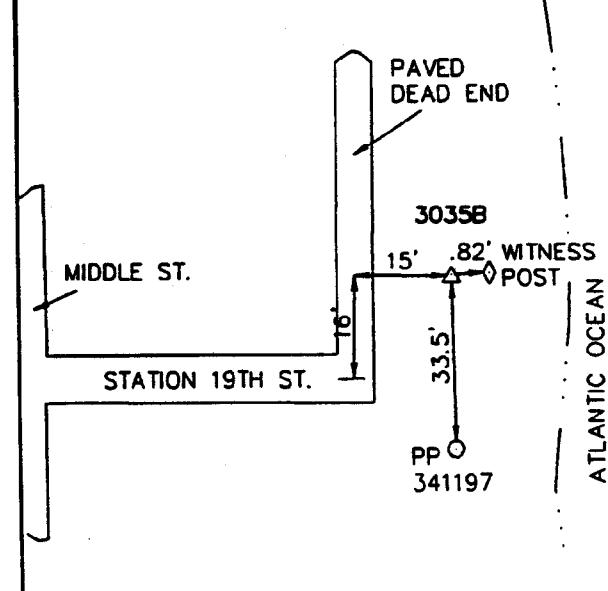
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3035 B
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°38'32" SCALE FACTOR: 0.99991915
NORTHING: 338,386.70 FEET LAT: 32°45'28".30287
EASTING: 2,356,107.79 FEET LONG: 79°50'29".69216
ELEVATION (NGVD 29) 8.92 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3020 B	S 60° 03' 29" W	S 59° 24' 57" W	1861.33 FEET
3050 B	N 54° 10' 34" E	N 53° 32" 02" E	2332.52 FEET

DESCRIPTION:

'LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF MIDDLE STREET AND STATION 19TH STREET, GO SOUTHEAST ON STATION 19TH STREET FOR 0.15 MILE TO THE END OF STATION 19TH STREET AND THE STATION ON TOP OF THE EAST SIDE OF THE CONCRETE FOUNDATION OF A SEWER MANHOLE COVER. A STANDARD SCCC BRONZE SURVEY DISK SET IN TOP OF THE EAST SIDE OF THE CONCRETE FOUNDATION OF A SEWER MANHOLE COVER, ABOUT FLUSH WITH THE SAND.

SKETCH:



DATE: APRIL, 1995

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVAN'S ISLAND

PROJECT: SCCC SURVEY MONUMENTATION

STATION NO.: SCCC 3035 B 1995

STATE: SOUTH CAROLINA COUNTY: CHARLESTON

NAD 83 - SINGLE ZONE SPC - CONVERGENCE: 00°38'32"

SCALE FACTOR: 0.99991915

NORTHING: 338,386.70 FEET

LONG: 32°45'28.30287"

EASTING: 2,356,107.79 FEET

LAT: 79°50'29.69216"

ELEVATION (NGVD 29): 8.82 FEET

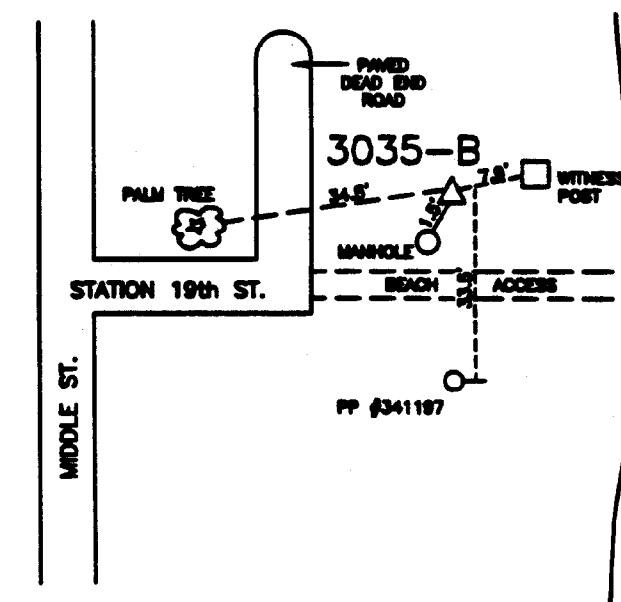
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3020 B	240°03'30"	S 59°24'57"W	1881.33 FEET
3050 B	054°10'34"	N 53°32'02"E	2332.52 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF MIDDLE STREET AND STATION 19th STREET, GO SOUTHEAST ON STATION 19th STREET FOR 0.15 MI. TO THE END OF STATION 19th STREET AND THE STATION ON TOP OF THE EAST SIDE OF THE CONCRETE FOUNDATION OF A SEWER MANHOLE COVER.

A STANDARD SCCC BRONZE SURVEY DISK SET IN TOP OF THE EAST SIDE OF THE CONCRETE FOUNDATION OF A SEWER MANHOLE COVER, ABOUT FLUSH WITH THE SAND.

SKETCH:



ATLANTIC OCEAN

DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

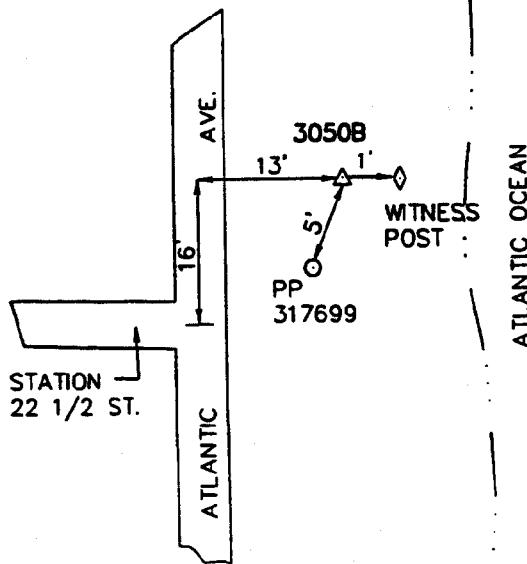
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3050 B
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°38'44" SCALE FACTOR: 0.99991812
NORTHING: 339,773.03 FEET LAT: 32°45'41".81127
EASTING: 2,357,983.62 FEET LONG: 79°50'07".54366
ELEVATION (NGVD 29) 8.55 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3035 B	S 54° 10' 46" W	S 53° 32' 02" W	2332.52 FEET
3065 B	N 68° 28' 27" E	N 67° 49' 43" E	2242.26 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE SOUTHEAST END OF THE STAKE HIGHWAY 703 BRIDGE OVER THE INTERCOSTAL WATERWAY, GO SOUTHEAST ON STATE HIGHWAY 703 FOR 0.58 MILE TO A POINT WHERE STATE HWY. 703 TURNS LEFT (JASPER BOULEVARD) AND STATION 22 1/2 STREET FOR 0.15 MILE TO THE JUNCTION OF ATLANTIC AVENUE AND THE STATION ON THE SOUTHEAST SIDE OF ATLANTIC AVENUE. A STANDARD ALUMINUM ROD WITH A SCCC ALUMINUM DISK ATTACHED TO THE ROD, AND ENCASED IN A 4" PVC PIPE WITH A THREADED CAP THAT PROJECTS 6" ABOVE THE GROUND.

SKETCH:



South Carolina Department of Health and Environmental Control
 Office of Coastal Resource Management
 Control Data

Set By: Cornerstone Surveying & Engineering, Inc.

Project: OCRM Replacement Monuments Station No.: 3050C

State: SC County: Charleston Date: 11/10/97

SC System Plane Coordinates Lambert 3900 Zone CSE Job #: 97242

Horizontal: NAD '83 ('86 ADJ.) Vertical: NGVD '29

X Coordinate: 2,358,006.80 Int. Ft. Y Coordinate: 339,726.94 Int. Ft.

Latitude: 32-45-41.3527 N Longitude: 79-50-07.2783 W

Elevation: 9.40 US Ft. Convergence: 0-38-44.4

Grid Factor: 0.999918153 Elevation Factor: 1.000004826

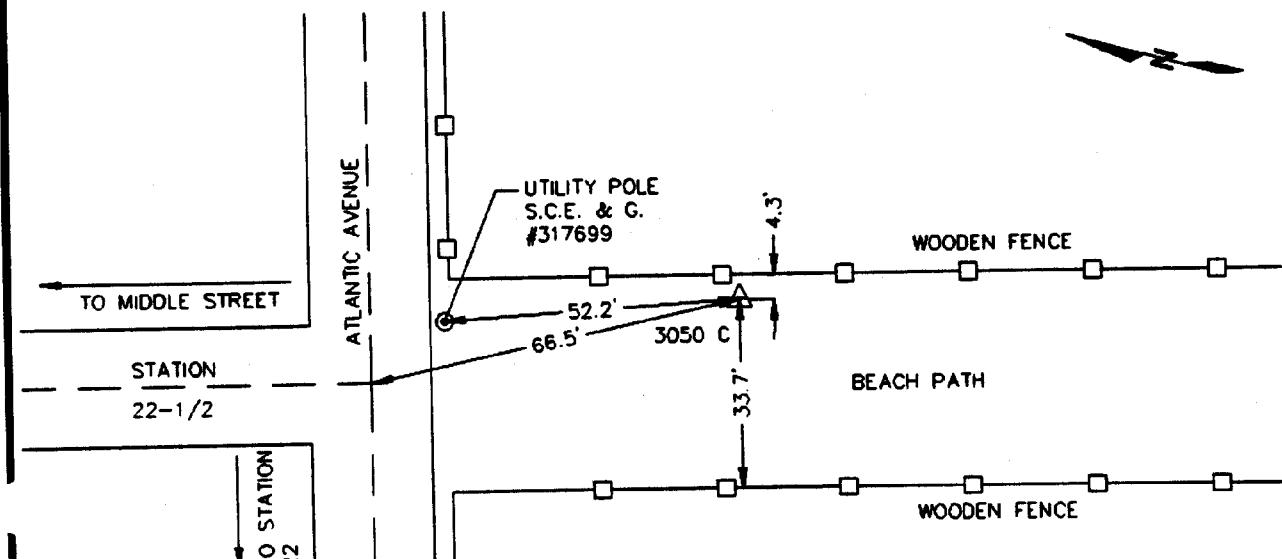
Type Of Mark: Berntsen PVC breakaway monument w/ aluminum cap

Description Of Location:

Located on Sullivan's Island. To reach the station from the intersection of Coleman Blvd. and Ben Sawyer Blvd. (S-8-703) go Southerly on Ben Sawyer Blvd. for 2.77 miles to the intersection of Station 22-1/2. Continue straight on Station 22-1/2 for 0.15 miles to Atlantic Ave. Point "3050 C" is located on a beach path 66.5' Southeast of the intersection of Atlantic Ave. and Station 22-1/2; 52.2' South Southeast of a S.C.E. & G. utility pole labeled #317699; 4.3' Southwest from the Eastern most wooden fence along beach path.

To Station	Geodetic Azimuth	Grid Azimuth	Grid Distance
MOULTRIE 2	261-04-53.9	260-26-09.4	7331.88 Ft.
3065 B	67-09-29.4	66-30-44.9	2238.78 Ft.

Sketch:



DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

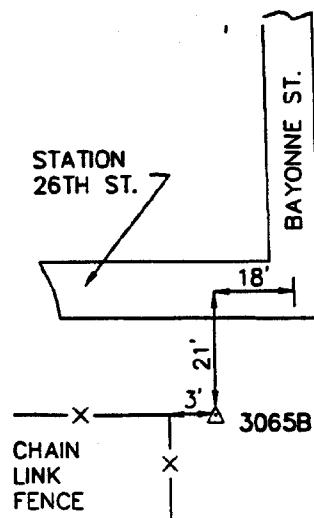
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3065 B
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°38'58" SCALE FACTOR: 0.99991750
NORTHING: 340,619.20 FEET LAT: 32°45'49".95153
EASTING: 2,360,060.08 FEET LONG: 79°49'43".11529
ELEVATION (NGVD 29) 8.23 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3050 B	S 68° 28' 41" W	S 67° 49' 43" W	2242.26 FEET
3080	N 80° 49' 32" E	N 80° 10' 34" E	2048.88 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 703 AND STATION 26TH STREET, TURN RIGHT, AND GO SOUTHEAST ON STATION 26TH STREET FOR 0.15 MILE TO IT ENDS AND THE STATION ON THE RIGHT AND THE JUNCTION OF BAYONNE STREET LEADING NORTHEAST. A STANDARD BERNTSEN ALUMINUM ROD WITH A SCCC ALUMINUM DISK ATTACHED TO THE ROD AND ENCASED IN A 4" PVC PIPE WITH A THREADED CAP THAT IS FLUSH WITH THE SAND.

SKETCH:



ATLANTIC OCEAN

DATE: APRIL, 1995

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVAN'S ISLAND

PROJECT: SCCC SURVEY MONUMENTATION

STATION NO.: SCCC 3065 B 1995

STATE: SOUTH CAROLINA COUNTY: CHARLESTON

NAD 83 - SINGLE ZONE SPC - CONVERGENCE: 00°38'58"

SCALE FACTOR: 0.99991750

NORTHING: 340,819.20 FEET

LONG: 32°45'49.95153"

EASTING: 2,360,060.08 FEET

LAT: 79°49'43.11529"

ELEVATION (NGVD 29): 8.23 FEET

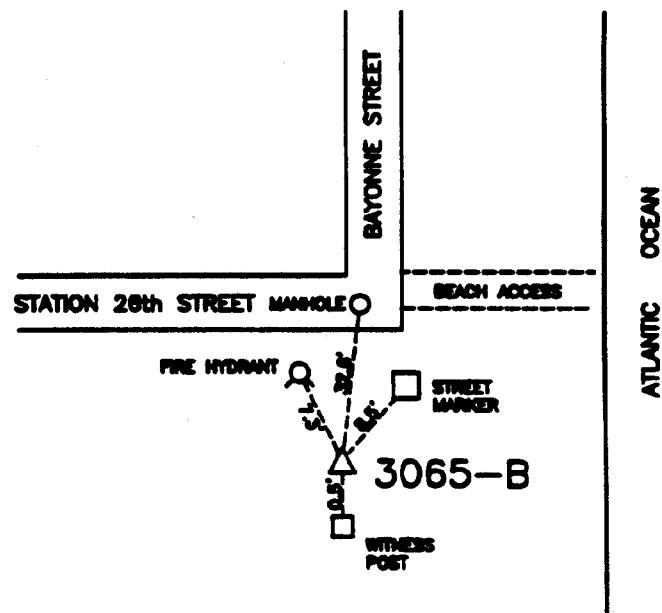
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3050 B	248°28'41"	S 67°48'43"W	2242.26 FEET
3080	080°49'33"	N 80°10'34"E	2048.88 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 703 AND STATION 26th STREET, TURN RIGHT AND GO SOUTHEAST ON STATION 26th STREET FOR 0.15 MI. TO THE END AND THE STATION ON THE RIGHT AND THE JUNCTION OF BAYONNE STREET LEADING NORTHEAST.

A STANDARD BERNSTEN ALUMINUM ROD WITH A SCCC ALUMINUM DISK ATTACHED TO THE ROD AND ENCASED IN A 4" PVC PIPE WITH A THREADED CAP THAT IS FLUSH WITH THE GROUND.

SKETCH:



ATLANTIC OCEAN

DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

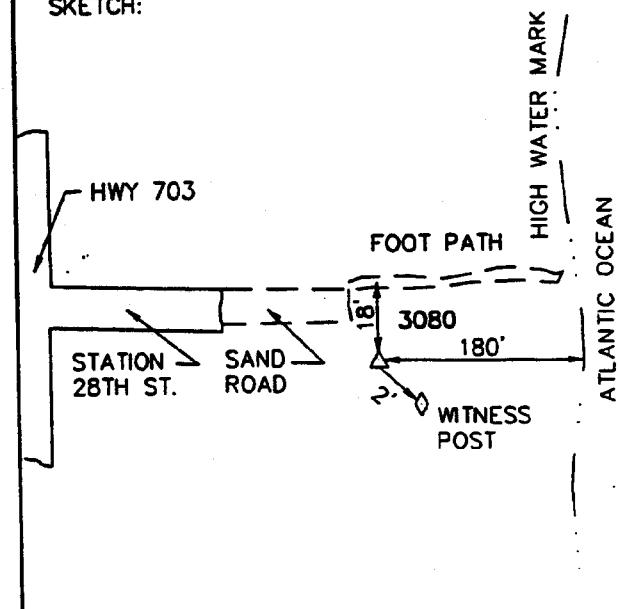
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3080
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°39'11" SCALE FACTOR: 0.99991725
NORTHING: 340,968.78 FEET LAT: 32°45'53".18334
EASTING: 2,362,078.92 FEET LONG: 79°49'19".42681
ELEVATION (NGVD 29) 9.71 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3065 B	S 80° 49' 45" W	S 80° 10' 34" W	2048.88 FEET
3083 B	N 46° 15' 18" E	N 45° 36' 07" E	1386.86 FEET

DESCRIPTION:

LOCATE ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 703 AND STATION 28TH STREET, TURN RIGHT AND GO SOUTHEAST ON STATION 28TH STREET FOR 0.20 MILE TO ITS END AND A SAND ROAD LEADING TO THE BEACH, CONTINUE STRAIGHT AHEAD ON SAND ROAD FOR 0.10 MILE TO THE STATION ON THE RIGHT. A STANDARD BERNTSEN PRE-FAB BREAK-AWAY PVC PIPE WITH A BRONZE DISK ATTACHED AND ENCASED IN A 6" PVC PIPE THAT PROJECTS ABOUT 6" ABOVE THE SAND.

SKETCH:



DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

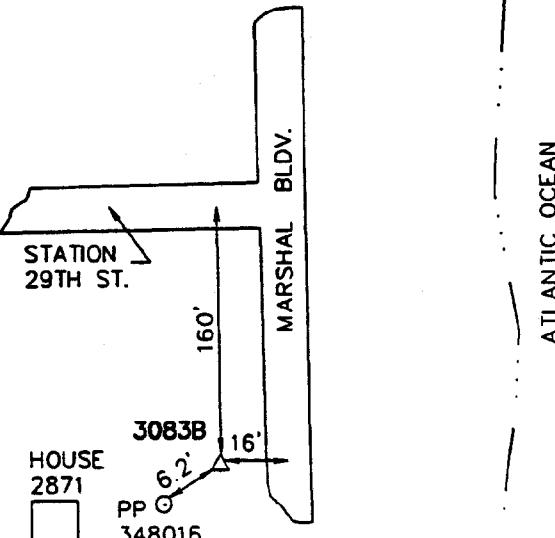
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3083 B
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°39'17" SCALE FACTOR: 0.99991654
NORTHING: 341,939.08 FEET LAT: 32°46'02".67206
EASTING: 2,363,069.83 FEET LONG: 79°49'07".69273
ELEVATION (NGVD 29) 8.27 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3080	S 46° 15' 24" W	S 45° 36' 07" W	1386.86 FEET
3085 B	N 46° 10' 16" E	N 45° 30' 59" E	698.06 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 703 AND STATION 30TH STREET, TURN RIGHT SOUTHEAST ON STATION 30TH STREET FOR 0.30 MILE TO THE JUNCTION OF MARSHALL BOULEVARD, TURN RIGHT, SOUTHWEST ON MARSHALL BOULEVARD FOR 0.15 MILE TO THE STATION ON THE RIGHT. A STANDARD BERNTSEN ALUMINUM ROD WITH A SCCC ALUMINUM DISK ATTACHED TO THE ROD AND ENCASED IN A 4" PVC PIPE WITH A THREADED CAP THAT PROJECTS ABOUT 0.1" ABOVE THE GROUND.

SKETCH:



ATLANTIC OCEAN

DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

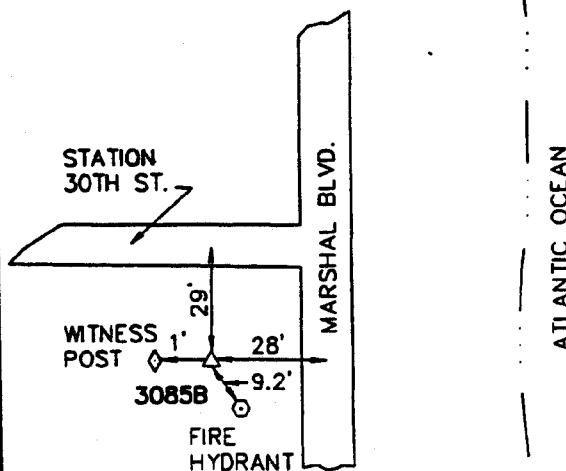
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3085 B
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°39'21" SCALE FACTOR: 0.99991618
NORTHING: 342,428.21 FEET LAT: 32°46'07".45543
EASTING: 2,363,567.86 FEET LONG: 79°49'01".79469
ELEVATION (NGVD 29) 8.64 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3083 B	S 46° 10' 20" W	S 45° 30' 59" W	698.06 FEET
3090	N 44° 54' 05" E	N 44° 14' 44" E	778.30 FEET

DESCRIPTION:

THE STATION IS LOCATED ON SULLIVAN'S ISLAND. TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 703 AND STATION 30TH STREET, TURN RIGHT ON STATION 30TH STREET AND GO SOUTHEAST FOR 0.30 MILE TO THE JUNCTION OF MARSHALL BOULEVARD AND THE STATION ON THE RIGHT. A STANDARD BERNTSEN ALUMINUM ROD WITH A SCCC ALUMINUM DISK ATTACHED TO THE ROD AND ENCASED IN A 4" PVC PIPE WITH A THREADED CAP THAT PROJECTS 2" ABOVE THE GROUND.

SKETCH:



DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

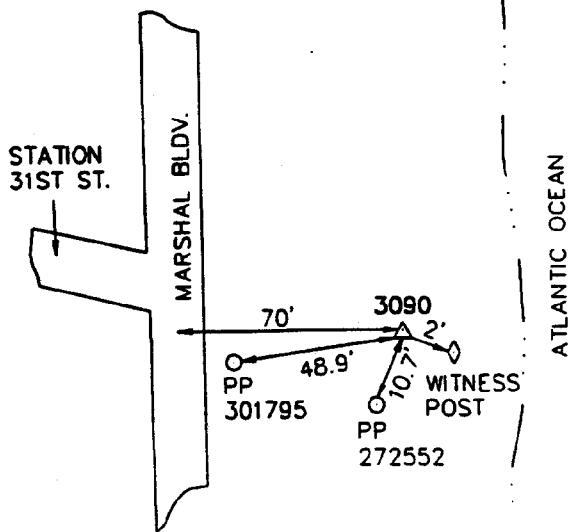
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3090
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°39'24" SCALE FACTOR: 0.99991576
NORTHING: 342,985.76 FEET LAT: 32°46'12".91047
EASTING: 2,364,110.91 FEET LONG: 79°48'55".36007
ELEVATION (NGVD 29) 9.81 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3085 B	S 44° 54' 08" W	S 44° 14' 44" W	778.30 FEET
3092 B	N 09° 52' 12" E	N 09° 12' 48" E	507.09 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 703 AND STATION 30TH STREET, TURN RIGHT AND GO SOUTHEAST FOR 0.30 MILE TO THE JUNCTION OF MARSHALL BOULEVARD, TURN LEFT AND GO NORTHEAST FOR 0.15 MILE TO THE JUNCTION OF STATION 31ST STREET AND THE STATION ON THE RIGHT ON THE EAST SIDE OF A POWER POLE. A STANDARD BERNTSEN PRE-FAB BREAK-AWAY PVC PIPE WITH A BRONZE DISK ATTACHED AND ENCASED IN A 6" PVC PIPE THAT PROJECTS 6" ABOVE THE GROUND.

SKETCH:



DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

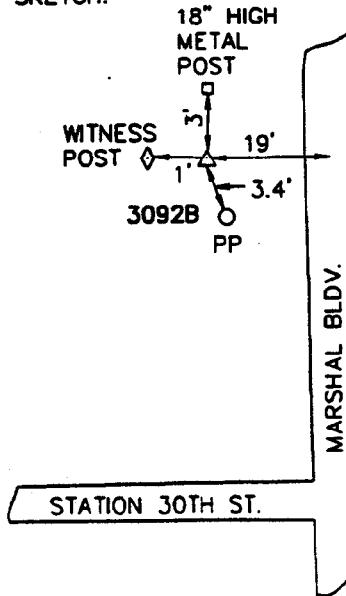
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3092 B
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°39'25" SCALE FACTOR: 0.99991539
NORTHING: 343,486.30 FEET LAT: 32°46'17".85393
EASTING: 2,364,192.10 FEET LONG: 79°48'54".34199
ELEVATION (NGVD 29) 8.79 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3090	S 09° 52' 13" W	S 09° 12' 48" W	507.09 FEET
3095 B	N 23° 49' 24" W	N 24° 28' 49" W	392.75 FEET

DESCRIPTION:

LOCATED ON SULLIVAN'S ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 703 AND STATION 30TH STREET, TURN RIGHT AND GO SOUTHEAST FOR 0.30 MILE TO THE JUNCTION OF MARSHALL BOULEVARD, TURN LEFT ON MARSHALL BOULEVARD FOR 0.30 MILE TO THE STATION ON THE LEFT. A STANDARD BERNTSEN ALUMINUM ROD WITH A SCCC ALUMINUM DISK ATTACHED TO THE ROD AND ENCASED IN A 4" PVC PIPE WITH A THREADED CAP THAT PROJECTS ABOUT 3" ABOVE THE GROUND.

SKETCH:



DATE: OCTOBER 1991

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

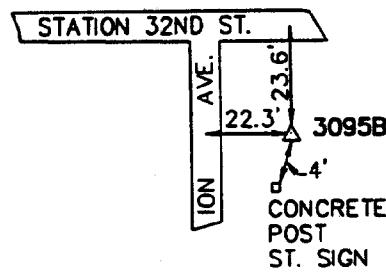
PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3095 B
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGANCE: 00°39'24" SCALE FACTOR: 0.99991512
NORTHING: 343,843.75 FEET LAT: 32°46'21".40914
EASTING: 2,364,029.35 FEET LONG: 79°48'56".20007
ELEVATION (NGVD 29) 9.87 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3092 B	S 23° 49' 25" E	S 24° 28' 49" E	392.75 FEET

DESCRIPTION:

LOCATED ON SULLIVANS ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 703 AND STATION 30TH STREET, TURN RIGHT AND GO SOUTHEAST ON STATION 30TH STREET, FOR 0.15 MILES TO THE JUNCTION OF ION AVE. TURN LEFT ON ION AVE. FOR 0.30 MILES TO ITS END AND THE STATION ON THE RIGHT. A STANDARD NGS STAINLESS STEEL ROD WITH TOP OF THE DATUM POINT CENTER PUNCHED, ENCASED IN A 1" PVC PIPE FILLED WITH GREASE AND SURROUNDED BY A 5" PVC PIPE WITH AN ALUMINUM LOGO CAP FLUSH WITH THE GROUND.

SKETCH:

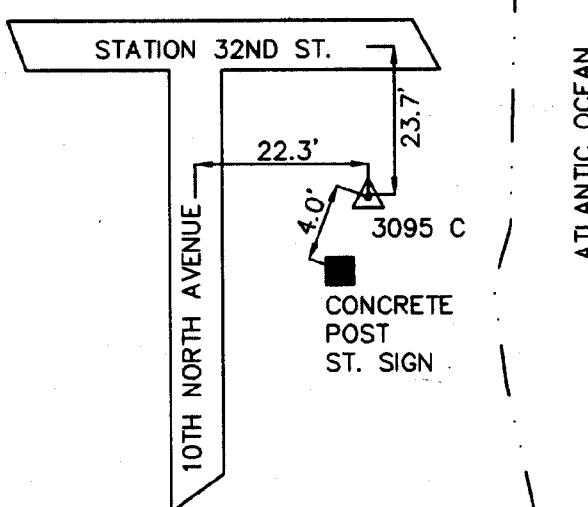


DATE: JUNE 30, 2000

SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
SULLIVANS ISLAND

PROJECT: SCCC SURVEY MONUMENTATION STATION NO.: SCCC 3095 C
STATE: SOUTH CAROLINA COUNTY: CHARLESTON
NAD 83 - SINGLE ZONE SPC - CONVERGENCE: 00° 39' 24" SCALE FACTOR: 0.99991512
NORTHING: 343,843.75 FEET LAT: 32° 46' 21.40910 (N)
EASTING: 2,364,029.35 FEET LONG: 79° 48' 56.20005 (W)
ELEVATION (NGVD 29) 9.87 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
3092 B	156° 10' 35"	S 24° 28' 49" E	392.76 FEET
3100 B	53° 55' 12"	N 53° 15' 48" E	2272.24 FEET

DESCRIPTION: <p>LOCATED ON SULLIVANS ISLAND, TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 703 AND STATION 30TH STREET TURN RIGHT AND GO SOUTHEAST ON STATION 30TH STREET FOR 0.15 MILES TO THE JUNCTION OF I'ON AVENUE. TURN LEFT ON I'ON AND CONTINUE TO ITS END AND THE INTERSECTION WITH 32ND STREET. THE STATION IS ON THE RIGHT. A STANDARD NGS STAINLESS STEEL ROD WITH TOP OF DATUM POINT CENTER PUNCHED, ENCASED IN A 1" PVC FILLED WITH GREASE AND SURROUNDED BY A 5" PVC PIPE WITH AN ALUMINUM LOGO CAP FLUSH WITH GRADE. STATION WAS RECOVERED 06-16-2000.</p>	SKETCH: 
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Appendix 3

This appendix contains shoreline change rates for this area, given in feet per year. A negative number indicates erosion. A stable or accretional shoreline is designated S/A.

Monument	Shoreline Change Rate
3010	S/A
3020	S/A
3035	S/A
3050	S/A
3065	S/A
3080	S/A
3083	S/A
3085	-2.0
3090	-2.0
3092	-2.0
3095	-2.0

3010	S/A
3020	S/A
3035	S/A
3050	S/A
3065	S/A
3080	S/A
3083	S/A
3085	-2.0
3090	-2.0
3092	-2.0
3095	-2.0